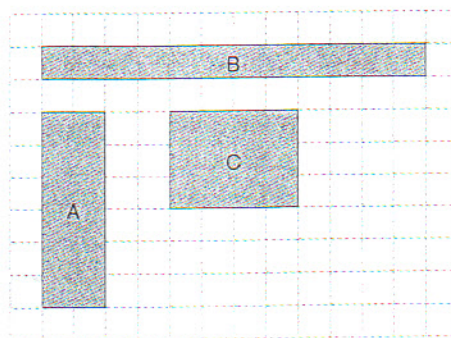
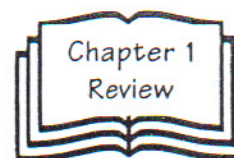
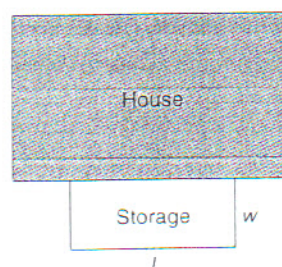


1.4 Optimize Perimeter and Area, textbook pages 36–45

5. These rectangles all have the same area. Order the rectangles from least to greatest perimeter.



6. Felicia has 20 m of fencing to build a storage area along one wall of her house. What are the dimensions of the pen with the greatest area?

**1.6 Analyse Optimum Volume and Surface Area, textbook pages 54–63**

7. a) Determine the volume of this square-based prism.

- b) Determine the dimensions, to two decimal places, of a square-based prism with the same volume but with minimum surface area.

